



RAW SEQUENCE LISTING ERROR REPORT

#22
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TECHNICAL CENTER 1600/2900

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Application Serial Number: 09/707,738A
Source: 1600
Date Processed by STIC: 8/14/2003

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

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- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY.

FOR EFS SUBMISSION AND PATENT IN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 4.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

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1. EFS-Bio (<<http://www.uspto.gov/efc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)

2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450

3. Hand Carry directly to:

U.S. Patent and Trademark Office, Technology Center 1600, Reception Area, 7th Floor, Examiner Name, Sequence Information, Crystal Mall One, 1911 South Clark Street, Arlington, VA 22202

Or

U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

4. Federal Express, United Parcel Service, or other delivery service to: U.S. Patent and Trademark Office, Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

Revised 04/24/2003



1600

RAW SEQUENCE LISTING

DATE: 08/14/2003

PATENT APPLICATION: US/09/707,738A

TIME: 15:30:47

Input Set : A:\-62-5.app

Output Set: N:\CRF4\08142003\I707738A.raw

4 <110> APPLICANT: Sette, Alessandro
 5 Gaeta, Federico
 6 Grey, Howard M.
 7 Sidney, John
 8 Alexander, Jeffery L.
 9 Epimmune Inc.
 11 <120> TITLE OF INVENTION: Induction of Immune Response Against
 12 Desired Determinants
 14 <130> FILE REFERENCE: 018623-006250US
 16 <140> CURRENT APPLICATION NUMBER: US 09/707,738A
 17 <141> CURRENT FILING DATE: 2000-11-06
 19 <150> PRIOR APPLICATION NUMBER: US 08/121,101
 20 <151> PRIOR FILING DATE: 1993-09-14
 22 <150> PRIOR APPLICATION NUMBER: US 08/305,871
 23 <151> PRIOR FILING DATE: 1994-09-14
 25 <150> PRIOR APPLICATION NUMBER: US 08/485,218
 26 <151> PRIOR FILING DATE: 1995-06-07
 28 <150> PRIOR APPLICATION NUMBER: US 60/010,510
 29 <151> PRIOR FILING DATE: 1996-01-24
 31 <150> PRIOR APPLICATION NUMBER: US 08/788,822
 32 <151> PRIOR FILING DATE: 1997-01-23
 34 <150> PRIOR APPLICATION NUMBER: US 09/310,462
 35 <151> PRIOR FILING DATE: 1999-05-12
 E--> 37 <160> NUMBER OF SEQ ID NOS: 25 27 (p.3)
 39 <170> SOFTWARE: FastSEQ for Windows Version 3.0

Does Not Comply
Corrected Diskette Needed

pg 1-3

ERRORED SEQUENCES

453 <210> SEQ ID NO: 26
 454 <211> LENGTH: 13 16 shown (p.2)
 455 <212> TYPE: PRI
 456 <213> ORGANISM: Artificial Sequence
 458 <220> FEATURE:
 459 <223> OTHER INFORMATION: peptide binds more than one DR allele
 W--> 461 <221> NAME/KEY: MOD_RES
 462 <222> LOCATION: (1)...(1)
 463 <223> OTHER INFORMATION: Xaa = any D- or L-amino acid
 W--> 465 <221> MOD_RES
 466 <222> LOCATION: (2)...(2)
 467 <223> OTHER INFORMATION: Xaa = Ala or Lys
 W--> 469 <221> MOD_RES
 470 <222> LOCATION: (3)...(3)

RAW SEQUENCE LISTING

DATE: 08/14/2003

PATENT APPLICATION: US/09/707,738A

TIME: 15:30:48

Input Set : A:\-62-5.app

Output Set: N:\CRF4\08142003\I707738A.raw

471 <223> OTHER INFORMATION: Xaa = cyclohexylalanine, Tyr or Phe
W--> 473 <221> MOD_RES
474 <222> LOCATION: (4)...(6)
475 <223> OTHER INFORMATION: Xaa = Ala, Ile, Ser or Val
W--> 477 <221> MOD_RES
478 <222> LOCATION: (7)...(7)
479 <223> OTHER INFORMATION: Xaa = Ala, Ile, Ser or Val, Xaa at position 7 may
480 be present or absent
W--> 482 <221> MOD_RES
483 <222> LOCATION: (12)...(13)
484 <223> OTHER INFORMATION: Xaa = Ala, Ser or Val
W--> 486 <221> MOD_RES
487 <222> LOCATION: (14)...(15)
488 <223> OTHER INFORMATION: Xaa = Ala, Ser or Val, Xaa at positions 14 and 15
489 may be present or absent
W--> 491 <221> MOD_RES
492 <222> LOCATION: (16)...(16)
493 <223> OTHER INFORMATION: Xaa = any D- or L-amino acid
W--> 495 <400> 26
W--> 496 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Trp Thr Leu Lys Xaa Xaa Xaa Xaa Xaa
E--> 497 1 5 10 15

see p3

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<210> 27 *last sequence in submitted file*

<211> 4

<212> PRT

<213> Artificial Sequence

<220>

<223> pan DR binding peptide binding core

<400> 27

Trp Thr Leu Lys
1

fyi

Use of n and/or Xaa has been detected in the Sequence Listing.
Review the Sequence Listing to insure a corresponding
explanation is presented in the <220> to <223> fields of
each sequence using n or Xaa.

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/707,738A

DATE: 08/14/2003

TIME: 15:30:49

Input Set : A:\-62-5.app

Output Set: N:\CRF4\08142003\I707738A.raw

L:329 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
 L:333 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:22
 L:337 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:22
 L:338 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22 after pos.:0
 L:350 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
 L:354 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:23
 L:358 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:23
 L:362 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:23
 L:366 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:23
 L:370 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:23
 L:374 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:23
 L:375 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23 after pos.:0
 L:387 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
 L:391 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:24
 L:395 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:24
 L:399 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:24
 L:403 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:24
 L:407 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:24
 L:411 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:24
 L:412 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24 after pos.:0
 L:424 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
 L:428 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:25
 L:432 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:25
 L:436 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:25
 L:440 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:25
 L:444 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:25
 L:448 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:25
 L:449 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25 after pos.:0
 L:461 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
 L:465 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:26
 L:469 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:26
 L:473 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:26
 L:477 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:26
 L:482 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:26
 L:486 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:26
 L:491 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:26
 L:495 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:26
 L:496 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26 after pos.:0
 L:497 M:252 E: No. of Seq. differs, <211> LENGTH:Input:13 Found:16 SEQ:26
 L:37 M:203 E: No. of Seq. differs, <160> Number Of Sequences:Input (25) Counted (27)